

APPLICANT(S): AIZIKOWITZ, Jacob et al.
SERIAL NO.: 09/775,502
FILED: February 5, 2001
Page 7

REMARKS

The present response is intended to be fully responsive to all points of objection and/or rejection raised by the Examiner and is believed to place the application in condition for allowance. Favorable reconsideration and allowance of the application is respectfully requested.

Applicants assert that the present invention is new, non-obvious and useful. Prompt consideration and allowance of the claims is respectfully requested.®

Status of Claims

Claims 1-29 are pending in the application.

Claims 1-29 have been rejected.

Claims 1, 12, 17, and 18 have been amended herein.

Claim 11 has been cancelled without prejudice to being re-included in a continuing application.

Applicants respectfully assert that no new matter has been added.

CLAIM REJECTIONS

35 U.S.C. § 101 Rejections

In the Office Action, the Examiner rejected claims 1-29 under 35 U.S.C. § 101 as setting forth non-functional descriptive material but failing to set forth physical structures or materials comprising hardware or a combination of hardware and software within the technological arts to produce a useful, concrete and tangible result.

Applicants respectfully disagree that the pending claims set forth merely descriptive subject matter. It is clear from the face of the claims that they refer to a computer-related method. In any event, in order to further obviate the Examiner's rejection, Applicants have

APPLICANT(S): AIZIKOWITZ, Jacob et al.
SERIAL NO.: 09/775,502
FILED: February 5, 2001
Page 8

amended claims 1, 12, and 18 to expressly indicate that the claims refer to a computer-based method. With respect to newly added claim 30, this claim, too, is clearly limited to computer-related methods.

Accordingly, Applicants respectfully request that the rejection of claims 1-29 under 35 USC 101 be withdrawn.

35 U.S.C. § 102 Rejections

In the Office Action, the Examiner rejected claims 1-7, 10-12, 14-15, 17-22, 24-25, and 29 under 35 U.S.C. § 102(b), as being anticipated by US Patent No. 5,895,476 (Orr, et al.). Applicants respectfully traverse this rejection in view of the remarks that follow.

Orr teaches:

A three-way separation of information in a document includes content, design and media aspects. This division supports automatic rendering to multiple forms of media such as print, Intranet, Internet, and OLE embedding. A method changes the design of a composition having a current design that is rendered in a particular medium. The composition is represented by components in a current design tree and includes content elements associated with the components. A new design tree is created for the composition based upon a new design and new design components. Next, each of the content elements are linked into an association with one of the new design components such that the set of relationships between the content elements in the context of the new design are maintained. Media layout values are calculated for each content element of the composition. The content elements are laid out in the new design and the new design retains the composition rendered in the particular medium. Another method changes the medium of a composition having a current design. A new media tree is created for the composition that is representative of a new medium and includes media tree components. Next, each of the content elements is associated with one of the media tree components such that each of the content elements is associated with a region of the new medium. Media layout values are calculated for each content element of the composition such that each of the media layout values for each content element defines one of the regions of the new medium.

(Abstract, emphasis added). Orr describes the problem of outputting a particular document or particular content to different media, which display the content differently. Accordingly,

APPLICANT(S): AIZIKOWITZ, Jacob et al.
SERIAL NO.: 09/775,502
FILED: February 5, 2001
Page 9

Orr's solution is to display the same document differently based on the output media. In brief, Orr teaches producing the same content using different formats depending on the different media to which the content is destined to be output.

In contrast, embodiments of the present invention teach producing a plurality of documents potentially having different content based on a document template and instances set. Thus, for example, amended claim 1 recites "binding an instances set to said dynamic document template, thereby producing a plurality of documents based on said template, said documents differing in respect of said instances set." Orr does not teach or suggest binding an instances set to said dynamic document template in the manner claimed.

Moreover, for example, as amended, claim 12 recites the dynamic document template comprising "a set of rules for assigning said data values to said dynamic objects, for producing a plurality of documents based on said template, said documents differing in respect of said data values." Orr does not teach or suggest such a set of rules as claimed.

Likewise, as amended, claim 18 recites "an instances set bound to said dynamic document template, for producing a plurality of documents based on said template, said documents differing in respect of said instances set." Orr does not teach or suggest such an instances set as claimed herein.

Accordingly, Applicants respectfully assert that independent claims 1, 12, 18 and 30 are allowable. Claims 2-7, 10, 12, 14-15, 17, 19-22, 24-25, and 29, which depend, directly or indirectly, from the above independent claims 1, 12, and 18 and therefore include all the limitations of those claims. Therefore, Applicants respectfully assert that claims 1-7, 10, 12, 14-15, 17-22, 24-25, and 29 are all allowable, and respectfully request the Examiner withdraw the rejection of these claims.

35 U.S.C. § 103 Rejections

In the Office Action, the Examiner rejected claims 6, 13, and 23 under 35 U.S.C. § 103(a), as being unpatentable over Orr in view of Li (US 6,725,227).

Applicants respectfully traverse the rejection of claims Orr under Li. Li discloses:

APPLICANT(S): AIZIKOWITZ, Jacob et al.
SERIAL NO.: 09/775,502
FILED: February 5, 2001
Page 10

An advanced bookmark database system provides query, re-organization, information sharing, view, and access control capabilities to manage bookmarks. In one embodiment of the bookmark database system of the present invention, HTML document parsing, keyword extraction, and HTML/VRML document generation capabilities are provided, in addition to allowing comprehensive database query and navigation. The bookmark database system extracts document content semantics, intra-document structures, inter-document linkage, and useful metadata for users to allow query and organization based on various attributes, such as keywords, domains, and last visit times. Further, an access control capability allows sharing of bookmark databases among users. Multiple physical or logical bookmark databases can be merged to create new bookmark databases. Multiple bookmark databases can be organized as a hierarchical structure, to allowing grouping by individuals, projects, groups, departments, etc. Automated query dispatch and dynamic links capabilities are provided. Dynamic links cross references multiple bookmark databases according to bookmark content semantics or other criteria. A user interface provides visualizing models for organizing accessible physical or logical bookmark databases.

(Abstract, emphasis added).

Firstly, the deficiency discussed above with respect to Orr holds true for Li. As discussed above, Applicants assert that neither Orr nor Li teach or disclose:

“binding an instances set to said dynamic document template, thereby producing a plurality of documents based on said template, said documents differing in respect of said instances set” as recited in claim 1; nor

“a set of rules for assigning said data values to said dynamic objects, for producing a plurality of documents based on said template, said documents differing in respect of said data values” as recited in claim 12; nor

“an instances set bound to said dynamic document template, for producing a plurality of documents based on said template, said documents differing in respect of said instances set” as recited in claim 18.

Secondly, even though Li refers to relational rules, it would not have been obvious to one of ordinary skill to modify the teaching of Orr to include relational rules. In particular, Li is not directed to the same subject matter as Orr. Li pertains to a bookmark database system, whereas Orr refers to producing a document for different media. While the use of relational

APPLICANT(S): AIZIKOWITZ, Jacob et al.
SERIAL NO.: 09/775,502
FILED: February 5, 2001
Page 11

rules is known in the context of searchable databases, there is no teaching of using such relational rules in the context of a dynamic document template system. That is, because Orr does not disclose using a database to produce a plurality of documents having different content (rather, Orr teaches producing the same content with different formats), there is no need for relational rules at all. Accordingly, the pending claims would not have been obvious to one of ordinary skill.

Applicants respectfully assert that claims 6, 13, and 23 are allowable and accordingly, Applicants respectfully request that the Examiner's rejection of claims 6, 13, and 23 under 35 U.S.C. § 103(a) be withdrawn.

In the Office Action, the Examiner further rejected claims 8, 9, 16, and 26-28 under 35 U.S.C. § 103(a), as being unpatentable over Orr in view of Poole (US 6,006,242).

Applicants respectfully traverse the rejection of claims Orr under Li. Poole discloses:

An apparatus and method for dynamically constructing electronic and printable documents and forms. An entity reference is read from a document instance and compared to entity identifiers provided in a catalog containing a plurality of entity identifiers. Each of the entity identifiers in the catalog is associated with an entity resolution process. An inference engine or other entity resolving processor is invoked to effectuate the resolution process associated with a matching entity identifier. The inference engine or entity resolving processor resolves the entity reference to a resolved entity, such as a component of text or graphics to be included in a document. Linking between the document, entity reference, and resolved entity provides for detailed auditing of the entity resolution process. A resolved entity may contain one or more embedded entity references which are similarly resolved. The dynamic document construction methodology may be implemented using a distributed networking approach, or on a stand-alone computer system. A significant advantage of the present invention concerns the re-usability of textual, graphical, and other components, thereby providing for the construction of any arbitrary document type having any arbitrary number of presentation formats. In one embodiment, the inference engine used to resolve entity references is converted to an executable form to enhance portability. A document or form constructed in accordance with the present invention may be published in printed or electronic form, such as in the form of a World Wide Web (Web) page.

APPLICANT(S): AIZIKOWITZ, Jacob et al.
SERIAL NO.: 09/775,502
FILED: February 5, 2001
Page 12

According to the Poole reference, a form itself is created from stock boilerplate clauses. "A significant advantage of the present invention concerns . . . providing for the construction of any arbitrary document type having any arbitrary number of presentation formats." (col. 2, lines 34-38). "A document or form constructed in accordance with the present invention may be published in printed or electronic form, such as in the form of a World Wide Web (Web) page." (col. 2, lines 46-49). Poole does not teach producing a plurality of documents for a plurality of instances sets. Accordingly, there is no teaching in Poole or Orr of the following:

"binding an instances set to said dynamic document template, thereby producing a plurality of documents based on said template, said documents differing in respect of said instances set" as recited in claim 1; nor

"a set of rules for assigning said data values to said dynamic objects, for producing a plurality of documents based on said template, said documents differing in respect of said data values" as recited in claim 12; nor

"an instances set bound to said dynamic document template, for producing a plurality of documents based on said template, said documents differing in respect of said instances set" as recited in claim 18.

Applicants respectfully assert that claims 8, 9, 16, and 26-28 are allowable and accordingly, Applicants respectfully request that the Examiner's rejection of claims 6, 13, and 23 under 35 U.S.C. § 103(a) be withdrawn.

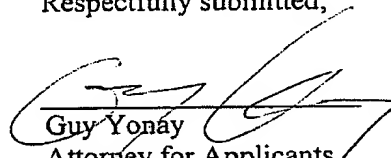
APPLICANT(S): AIZIKOWITZ, Jacob et al.
SERIAL NO.: 09/775,502
FILED: February 5, 2001
Page 13

In view of the foregoing amendments and remarks, the pending claims are deemed to be allowable. Their favorable reconsideration and allowance is respectfully requested.

Should the Examiner have any question or comment as to the form, content or entry of this Amendment, the Examiner is requested to contact the undersigned at the telephone number below. Similarly, if there are any further issues yet to be resolved to advance the prosecution of this application to issue, the Examiner is requested to telephone the undersigned counsel.

Please charge any fees associated with this paper to deposit account No. 05-0649.

Respectfully submitted,


Guy Yonay
Attorney for Applicants
Registration No. 52,388

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Eitan, Pearl, Latzer & Cohen Zedek, LLP.
10 Rockefeller Plaza, Suite 1001
New York, New York 10020
Tel: (212) 632-3480
Fax: (212) 632-3489